```
------ Setup ------
     ----- Setting up Projects and Infrastructure Components -----
     Created Project: Green Energy with categories: Energy, Air Quality
     🌳 Created Environmental Component: GE Turkenschanzpark
     Added GE Turkenschanzpark to: Green Energy
     🚂 Created Transportation Component: GE Wiener Linien Bus Department
     Added GE Wiener Linien Bus Department to: Green Energy
     🏢 Created Building Component: GE TU Karlsplatz
     Added GE TU Karlsplatz to: Green Energy
     Created Project: Smart Transportation with categories: Transportation
     🚂 Created Transportation Component: ST Wiener Linien
     Added ST Wiener Linien to: Smart Transportation
     🚂 Created Transportation Component: ST Wiener Linien Strassenbahn
     Added ST Wiener Linien Strassenbahn to: Smart Transportation
      🚜 Created Transportation Component: ST Wiener Linien Ubahn
     Added ST Wiener Linien Ubahn to: Smart Transportation
     🜳 Created Environmental Component: ST Traffic Lights
     Added ST Traffic Lights to: Smart Transportation
     material Created Building Component: ST WestBahnhof Control Room
     Added ST WestBahnhof Control Room to: Smart Transportation
   ----- Projects are set up successfully
   ----- Setting up KPI Measurement Devices for Projects
     Created Device CoContentMeasurementIndicator
    Linked Device CoContentMeasurementIndicator to GECo2Content
     Added Indicator to Green Energy
     Created Device LightMeasurementIndicator
     Linked Device LightMeasurementIndicator to GELux
     Added Indicator to Green Energy
     Created Device WienerLinienEnergyConsumedIndicator
     Linked Device WienerLinienEnergyConsumedIndicator to
STenergyConsumedWienerLinien
     Added Indicator to Smart Transportation
     Created Device ControlRoomEnergyConsumedIndicator
     Linked Device ControlRoomEnergyConsumedIndicator to STenergyConsumedCR
     Added Indicator to Smart Transportation
   ----- Setup Successful
 Data Produced by gETurkenschanzpark: 2.71
Data Produced by gEWienerLinienBusDepartment: 21
Data Produced by gETUKarlsplatz: 11.03
Data Produced by sTWienerLinien: 13
Data Produced by sTWienerLinienStrassenbahn: 45.01
Data Produced by sTWienerLinienUbahn: 98
Data Produced by sTTrafficLights: 132
Data Produced by sTWestBahnhofControlRoom: 397
______
```

```
Data Produced by gETurkenschanzpark: 9.23
Data Produced by gEWienerLinienBusDepartment: 21
Data Produced by gETUKarlsplatz: 11.93
Aggregating data for Green Energy and Indicator CoContentMeasurementIndicator
     Aggregated Value for gETurkenschanzpark = 5.97000000000001 with AVG
aggregation function
  -- Updating status ----
     Aggregated Value for 5.97000000000001
 --- Setting status to WARN 🛑 ----
D Adding Last Calculation Time: 2023-12-11T12:27:23.505+0100
Aggregating data for Green Energy and Indicator LightMeasurementIndicator
     Newly Collected Values
     Aggregated Value for gETUKarlsplatz = 11.93 with MAX aggregation function
---- Updating status ----
     Aggregated Value for 11.93
     Goal Reference Value for 11.0
---- Setting status to WARN 🛑 ----
Adding Last Calculation Time: 2023-12-11T12:27:23.507+0100
Data Produced by sTWienerLinien: 43
Data Produced by sTWienerLinienStrassenbahn: 63.55
Data Produced by sTWienerLinienUbahn: 184
Data Produced by sTTrafficLights: 125
Data Produced by sTWestBahnhofControlRoom: 180
                      ======== Step 03 ===
Data Produced by gETurkenschanzpark: 7.12
Data Produced by gEWienerLinienBusDepartment: 32
Data Produced by gETUKarlsplatz: 11.87
Data Produced by sTWienerLinien: 27
Data Produced by sTWienerLinienStrassenbahn: 52.74
Data Produced by sTWienerLinienUbahn: 69
Data Produced by sTTrafficLights: 25
Data Produced by sTWestBahnhofControlRoom: 223
      Data Produced by gETurkenschanzpark: 2.45
Data Produced by gEWienerLinienBusDepartment: 41
Data Produced by gETUKarlsplatz: 11.60
Aggregating data for Green Energy and Indicator CoContentMeasurementIndicator
     Newly Collected Values 2.45, 7.12
     Aggregated Value for gETurkenschanzpark = 4.785 with AVG aggregation function
 --- Updating status ----
     Aggregated Value for 4.785
 --- Setting status to GOOD 🛑 ----
Adding Last Calculation Time: 2023-12-11T12:27:23.509+0100
Aggregating data for Green Energy and Indicator LightMeasurementIndicator
     Newly Collected Values
     Aggregated Value for gETUKarlsplatz = 11.87 with MAX aggregation function
 --- Updating status ----
     Aggregated Value for 11.87
     Goal Reference Value for 11.0
 --- Setting status to WARN 🛑 ----
Adding Last Calculation Time: 2023-12-11T12:27:23.510+0100
Data Produced by sTWienerLinien: 39
Data Produced by sTWienerLinienStrassenbahn: 57.69
```

```
Data Produced by sTWienerLinienUbahn: 62
Data Produced by sTTrafficLights: 115
Data Produced by sTWestBahnhofControlRoom: 245
Aggregating data for Smart Transportation and Indicator
WienerLinienEnergyConsumedIndicator
     Newly Collected Values
     Aggregated Value for sTWienerLinien = 122.0 with SUM aggregation function
--- Updating status ----
     Aggregated Value for 122.0
---- Setting status to WARN 🛑 ----
Adding Last Calculation Time: 2023-12-11T12:27:23.512+0100
Aggregating data for Smart Transportation and Indicator
ControlRoomEnergyConsumedIndicator
     Newly Collected Values
     245, 223, 180, 397
     Aggregated Value for sTWestBahnhofControlRoom = 1045.0 with SUM aggregation
function
---- Updating status ----
     Aggregated Value for 1045.0
     Goal Reference Value for 800.0
---- Setting status to CRITICAL 🛑 ----
Adding Last Calculation Time: 2023-12-11T12:27:23.514+0100
      ----- Step 05 -----
Data Produced by gETurkenschanzpark: 3.86
Data Produced by gEWienerLinienBusDepartment: 29
Data Produced by gETUKarlsplatz: 9.23
Data Produced by sTWienerLinien: 22
Data Produced by sTWienerLinienStrassenbahn: 60.85
Data Produced by sTWienerLinienUbahn: 124
Data Produced by sTTrafficLights: 50
Data Produced by sTWestBahnhofControlRoom: 268
 ______
Data Produced by gETurkenschanzpark: 7.27
Data Produced by gEWienerLinienBusDepartment: 23
Data Produced by gETUKarlsplatz: 11.92
Aggregating data for Green Energy and Indicator CoContentMeasurementIndicator
     Newly Collected Values
     Aggregated Value for gETurkenschanzpark = 5.564999999999999 with AVG
aggregation function
 --- Updating status ----
     Aggregated Value for 5.564999999999999
     Goal Reference Value for 5.0
--- Setting status to WARN (
① Adding Last Calculation Time: 2023-12-11T12:27:23.516+0100
Aggregating data for Green Energy and Indicator LightMeasurementIndicator
     Newly Collected Values
     Aggregated Value for gETUKarlsplatz = 11.92 with MAX aggregation function
---- Updating status ----
     Aggregated Value for 11.92
     Goal Reference Value for 11.0
 --- Setting status to WARN 🛑 ----
Adding Last Calculation Time: 2023-12-11T12:27:23.516+0100
Data Produced by sTWienerLinien: 41
Data Produced by sTWienerLinienStrassenbahn: 46.16
Data Produced by sTWienerLinienUbahn: 135
Data Produced by sTTrafficLights: 98
```

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Data Produced by sTWestBahnhofControlRoom: 127
                                === Step 07 ==
Data Produced by gETurkenschanzpark: 8.05
Data Produced by gEWienerLinienBusDepartment: 38
Data Produced by gETUKarlsplatz: 8.31
Data Produced by sTWienerLinien: 40
Data Produced by sTWienerLinienStrassenbahn: 59.10
Data Produced by sTWienerLinienUbahn: 197
Data Produced by sTTrafficLights: 94
Data Produced by sTWestBahnhofControlRoom: 313
                               Data Produced by gETurkenschanzpark: 2.25
Data Produced by gEWienerLinienBusDepartment: 23
Data Produced by gETUKarlsplatz: 11.75
Aggregating data for Green Energy and Indicator CoContentMeasurementIndicator
     Newly Collected Values
     Aggregated Value for gETurkenschanzpark = 5.15 with AVG aggregation function
---- Updating status ----
     Aggregated Value for 5.15
     Goal Reference Value for 5.0
---- Setting status to GOOD 🛑 _---
Adding Last Calculation Time: 2023-12-11T12:27:23.519+0100
Aggregating data for Green Energy and Indicator LightMeasurementIndicator
     Newly Collected Values
     Aggregated Value for gETUKarlsplatz = 11.75 with MAX aggregation function
---- Updating status ----
     Aggregated Value for 11.75
 --- Setting status to WARN
① Adding Last Calculation Time: 2023-12-11T12:27:23.519+0100
Data Produced by sTWienerLinien: 25
Data Produced by sTWienerLinienStrassenbahn: 64.39
Data Produced by sTWienerLinienUbahn: 142
Data Produced by sTTrafficLights: 127
Data Produced by sTWestBahnhofControlRoom: 190
Aggregating data for Smart Transportation and Indicator
WienerLinienEnergyConsumedIndicator
     Newly Collected Values
     Aggregated Value for sTWienerLinien = 128.0 with SUM aggregation function
 --- Updating status --
     Aggregated Value for 128.0
     Goal Reference Value for 100.0
---- Setting status to CRITICAL 🛑 ----

1 Adding Last Calculation Time: 2023-12-11T12:27:23.520+0100
Aggregating data for Smart Transportation and Indicator
ControlRoomEnergyConsumedIndicator
     Newly Collected Values
      190, 313, 127, 268
     Aggregated Value for sTWestBahnhofControlRoom = 898.0 with SUM aggregation
function
--- Updating status ----
     Aggregated Value for 898.0
  -- Setting status to WARN
D Adding Last Calculation Time: 2023-12-11T12:27:23.521+0100
     _____
```

```
Data Produced by gETurkenschanzpark: 6.05
Data Produced by gEWienerLinienBusDepartment: 46
Data Produced by gETUKarlsplatz: 10.02
Data Produced by sTWienerLinien: 30
Data Produced by sTWienerLinienStrassenbahn: 64.05
Data Produced by sTWienerLinienUbahn: 166
Data Produced by sTTrafficLights: 57
Data Produced by sTWestBahnhofControlRoom: 209
                       ========= Step 10 ===========
Data Produced by gETurkenschanzpark: 3.30
Data Produced by gEWienerLinienBusDepartment: 28
Data Produced by gETUKarlsplatz: 10.25
Aggregating data for Green Energy and Indicator CoContentMeasurementIndicator
     Newly Collected Values
     3.30, 6.05
     Aggregated Value for gETurkenschanzpark = 4.675 with AVG aggregation function
---- Updating status ----
     Aggregated Value for 4.675
     Goal Reference Value for 5.0
---- Setting status to GOOD 🛑 ----
Adding Last Calculation Time: 2023-12-11T12:27:23.522+0100
Aggregating data for Green Energy and Indicator LightMeasurementIndicator
     Newly Collected Values
     10.25, 10.02
     Aggregated Value for gETUKarlsplatz = 10.25 with MAX aggregation function
--- Updating status ----
     Aggregated Value for 10.25
     Goal Reference Value for 11.0
---- Setting status to GOOD 🛑 ----
Adding Last Calculation Time: 2023-12-11T12:27:23.523+0100
Data Produced by sTWienerLinien: 35
Data Produced by sTWienerLinienStrassenbahn: 63.78
Data Produced by sTWienerLinienUbahn: 85
Data Produced by sTTrafficLights: 8
Data Produced by sTWestBahnhofControlRoom: 186
        Data Produced by gETurkenschanzpark: 2.23
Data Produced by gEWienerLinienBusDepartment: 42
Data Produced by gETUKarlsplatz: 10.85
Data Produced by sTWienerLinien: 32
Data Produced by sTWienerLinienStrassenbahn: 45.22
Data Produced by sTWienerLinienUbahn: 121
Currently, no new values present for component: sTTrafficLights
Data Produced by sTWestBahnhofControlRoom: 152
  ------ Step 12 ------
Data Produced by gETurkenschanzpark: 6.61
Data Produced by gEWienerLinienBusDepartment: 21
Data Produced by gETUKarlsplatz: 7.54
Aggregating data for Green Energy and Indicator CoContentMeasurementIndicator
     Aggregated Value for gETurkenschanzpark = 4.42 with AVG aggregation function
 --- Updating status ----
     Aggregated Value for 4.42
     Goal Reference Value for 5.0
  -- Setting status to GOOD 🛑 ----
Adding Last Calculation Time: 2023-12-11T12:27:23.525+0100
```

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Aggregating data for Green Energy and Indicator LightMeasurementIndicator
     Aggregated Value for gETUKarlsplatz = 10.85 with MAX aggregation function
--- Updating status ----
     Aggregated Value for 10.85
     Goal Reference Value for 11.0
 --- Setting status to GOOD 🛑 ----
Adding Last Calculation Time: 2023-12-11T12:27:23.525+0100
Data Produced by sTWienerLinien: 28
Data Produced by sTWienerLinienStrassenbahn: 50.76
Data Produced by sTWienerLinienUbahn: 155
Currently, no new values present for component: sTTrafficLights
Data Produced by sTWestBahnhofControlRoom: 281
Aggregating data for Smart Transportation and Indicator
WienerLinienEnergyConsumedIndicator
     Newly Collected Values
     28, 32, 35, 30
     Aggregated Value for sTWienerLinien = 125.0 with SUM aggregation function
---- Updating status ----
     Aggregated Value for 125.0
---- Setting status to WARN 🛑 ----
Adding Last Calculation Time: 2023-12-11T12:27:23.526+0100
Aggregating data for Smart Transportation and Indicator
ControlRoomEnergyConsumedIndicator
     Newly Collected Values
     281, 152, 186, 209
     Aggregated Value for sTWestBahnhofControlRoom = 828.0 with SUM aggregation
function
---- Updating status ----
     Aggregated Value for 828.0
 --- Setting status to GOOD 🛑 ----
Adding Last Calculation Time: 2023-12-11T12:27:23.527+0100
  ______
Data Produced by gETurkenschanzpark: 5.55
Data Produced by gEWienerLinienBusDepartment: 19
Data Produced by gETUKarlsplatz: 7.97
Data Produced by sTWienerLinien: 25
Data Produced by sTWienerLinienStrassenbahn: 51.53
Data Produced by sTWienerLinienUbahn: 146
Currently, no new values present for component: sTTrafficLights
Data Produced by sTWestBahnhofControlRoom: 399
   Data Produced by gETurkenschanzpark: 4.49
Data Produced by gEWienerLinienBusDepartment: 35
Data Produced by gETUKarlsplatz: 9.01
Aggregating data for Green Energy and Indicator CoContentMeasurementIndicator
     Newly Collected Values 4.49, 5.55
     Aggregated Value for gETurkenschanzpark = 5.02 with AVG aggregation function
 --- Updating status ----
     Aggregated Value for 5.02
     Goal Reference Value for 5.0
 --- Setting status to GOOD 🛑 ----
Adding Last Calculation Time: 2023-12-11T12:27:23.528+0100
Aggregating data for Green Energy and Indicator LightMeasurementIndicator
     Newly Collected Values
```

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Aggregated Value for gETUKarlsplatz = 9.01 with MAX aggregation function
 --- Updating status ----
      Aggregated Value for 9.01
      Goal Reference Value for 11.0
 --- Setting status to GOOD 🛑 ----
ullet Adding Last Calculation Time: 2023-12-11T12:27:23.529+0100
Data Produced by sTWienerLinien: 23
Data Produced by sTWienerLinienStrassenbahn: 55.64
Data Produced by sTWienerLinienUbahn: 191
Currently, no new values present for component: sTTrafficLights
Data Produced by sTWestBahnhofControlRoom: 194
                       =========== Step 15 ================
Data Produced by gETurkenschanzpark: 3.86
Data Produced by gEWienerLinienBusDepartment: 53
Data Produced by gETUKarlsplatz: 12.90
Data Produced by sTWienerLinien: 42
Data Produced by sTWienerLinienStrassenbahn: 63.89
Data Produced by sTWienerLinienUbahn: 143
Currently, no new values present for component: sTTrafficLights
Data Produced by sTWestBahnhofControlRoom: 175
                  Data Produced by gETurkenschanzpark: 7.41
Data Produced by gEWienerLinienBusDepartment: 58
Data Produced by gETUKarlsplatz: 11.96
Aggregating data for Green Energy and Indicator CoContentMeasurementIndicator
     Newly Collected Values
      7.41, 3.86
     Aggregated Value for gETurkenschanzpark = 5.635 with AVG aggregation function
--- Updating status ----
      Aggregated Value for 5.635
      Goal Reference Value for 5.0
---- Setting status to WARN (
Adding Last Calculation Time: 2023-12-11T12:27:23.531+0100
Aggregating data for Green Energy and Indicator LightMeasurementIndicator
     Newly Collected Values
      11.96, 12.90
     Aggregated Value for gETUKarlsplatz = 12.9 with MAX aggregation function
---- Updating status ----
      Aggregated Value for 12.9
      Goal Reference Value for 11.0 etting status to WARN _ ----
  -- Setting status to WARN
① Adding Last Calculation Time: 2023-12-11T12:27:23.531+0100
Data Produced by sTWienerLinien: 35
Data Produced by sTWienerLinienStrassenbahn: 45.84
Data Produced by sTWienerLinienUbahn: 84
Currently, no new values present for component: sTTrafficLights
Data Produced by sTWestBahnhofControlRoom: 238
Aggregating data for Smart Transportation and Indicator
WienerLinienEnergyConsumedIndicator
      Newly Collected Values
     Aggregated Value for sTWienerLinien = 125.0 with SUM aggregation function
 --- Updating status ----
     Aggregated Value for 125.0
 --- Setting status to WARN 🛑 ----
Adding Last Calculation Time: 2023-12-11T12:27:23.532+0100
Aggregating data for Smart Transportation and Indicator
ControlRoomEnergyConsumedIndicator
    Newly Collected Values
```

```
238, 175, 194, 399
     Aggregated Value for sTWestBahnhofControlRoom = 1006.0 with SUM aggregation
function
--- Updating status ----
     Aggregated Value for 1006.0
     Goal Reference Value for 800.0
 --- Setting status to CRITICAL 🛑 ----
D Adding Last Calculation Time: 2023-12-11T12:27:23.533+0100
      Data Produced by gETurkenschanzpark: 2.86
Data Produced by gEWienerLinienBusDepartment: 27
Data Produced by gETUKarlsplatz: 10.37
Data Produced by sTWienerLinien: 16
Data Produced by sTWienerLinienStrassenbahn: 48.35
Data Produced by sTWienerLinienUbahn: 195
Currently, no new values present for component: sTTrafficLights
Data Produced by sTWestBahnhofControlRoom: 186
   -----
                  Data Produced by gETurkenschanzpark: 8.25
Data Produced by gEWienerLinienBusDepartment: 29
Data Produced by gETUKarlsplatz: 10.89
Aggregating data for Green Energy and Indicator CoContentMeasurementIndicator
     Newly Collected Values
     8.25, 2.86
     Aggregated Value for gETurkenschanzpark = 5.555 with AVG aggregation function
---- Updating status ----
     Aggregated Value for 5.555
---- Setting status to WARN 🛑 ----
Adding Last Calculation Time: 2023-12-11T12:27:23.534+0100
Aggregating data for Green Energy and Indicator LightMeasurementIndicator
     Newly Collected Values
     10.89, 10.37
     Aggregated Value for gETUKarlsplatz = 10.89 with MAX aggregation function
---- Updating status ----
     Aggregated Value for 10.89
     Goal Reference Value for 11.0
--- Setting status to GOOD 🛑 ----
Adding Last Calculation Time: 2023-12-11T12:27:23.535+0100
Data Produced by sTWienerLinien: 32
Data Produced by sTWienerLinienStrassenbahn: 56.73
Data Produced by sTWienerLinienUbahn: 148
Currently, no new values present for component: sTTrafficLights
Data Produced by sTWestBahnhofControlRoom: 201
 _____
 Data Produced by gETurkenschanzpark: 6.64
Data Produced by gEWienerLinienBusDepartment: 34
Data Produced by gETUKarlsplatz: 12.00
Data Produced by sTWienerLinien: 42
Data Produced by sTWienerLinienStrassenbahn: 55.91
Data Produced by sTWienerLinienUbahn: 108
Currently, no new values present for component: sTTrafficLights
Data Produced by sTWestBahnhofControlRoom: 377
                        ======= Step 20 ==
Data Produced by gETurkenschanzpark: 4.41
Data Produced by gEWienerLinienBusDepartment: 29
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Data Produced by gETUKarlsplatz: 8.50
Aggregating data for Green Energy and Indicator CoContentMeasurementIndicator
      Aggregated Value for gETurkenschanzpark = 5.525 with AVG aggregation function
--- Updating status ----
      Aggregated Value for 5.525
      Goal Reference Value for 5.0
 --- Setting status to WARN
• Adding Last Calculation Time: 2023-12-11T12:27:23.537+0100
Aggregating data for Green Energy and Indicator LightMeasurementIndicator
      8.50, 12.00
      Aggregated Value for gETUKarlsplatz = 12.0 with MAX aggregation function
---- Updating status ----
      Aggregated Value for 12.0
 --- Setting status to WARN 🛑 ----
Adding Last Calculation Time: 2023-12-11T12:27:23.537+0100
Data Produced by sTWienerLinien: 26
Data Produced by sTWienerLinienStrassenbahn: 50.59
Data Produced by sTWienerLinienUbahn: 74
Currently, no new values present for component: sTTrafficLights
Data Produced by sTWestBahnhofControlRoom: 152
Aggregating data for Smart Transportation and Indicator
WienerLinienEnergyConsumedIndicator
      Newly Collected Values
     Aggregated Value for sTWienerLinien = 116.0 with SUM aggregation function
 --- Updating status ----
      Aggregated Value for 116.0
  -- Setting status to WARN
Adding Last Calculation Time: 2023-12-11T12:27:23.538+0100
Aggregating data for Smart Transportation and Indicator
ControlRoomEnergyConsumedIndicator
      Newly Collected Values
      152, 377, 201, 186
      Aggregated Value for sTWestBahnhofControlRoom = 916.0 with SUM aggregation
function
---- Updating status ----
      Aggregated Value for 916.0
      Goal Reference Value for 800.0
  -- Setting status to WARN ^{
m I}
🕛 Adding Last Calculation Time: 2023-12-11T12:27:23.539+0100
```